PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference E-1837/03	Agreeas (Form POT/SA/223) as well as, where applicable, item 5 belo				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/IT 03/00568	24/09/2003				
Applicant	RI EDILI E SERBATOI				
This International Search Report has bee according to Anicle 18, A copy is being to	n prepared by this international Searching Au ansmitted to the International Bureau.	fixelly and is transmitted to the applicant			
This International Search Report consists It is also accompanied by	of a total of <u>S</u> sheets. a copy of each prior an document cited in this	s report.			
1. Basis of the report					
 a. With regard to the language, the language in which it was flied, unit 	international search was carried out on the be less otherwise indicated under this item.	sis of the international application in the			
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of	he international application furnished to this			
was carned out on the basis of the contained in the internation flied together with the internation	d/or amino acid sequence displosed in the is a sequence listing; anal application in written form, anational application in computer readable for a this Authority in written form,	nternational application, the international search			
lumished subsequently to	this Authority in computer reachie form.				
the statement that the sut international application a	esequently furnished written sequence listing of a filed has been furnished.	loes not go beyond the disclosure in the			
the statement that the info furnished	rmation recorded in computer readable form i	s identical to the written sequence listing has been			
2. Certain claims were fou	nd unsearchable (See Box I).				
3. X Unity of invention is lac	king (see Box II).				
4. With regard to the title,					
X the text is approved as su	bmitted by the applicant.				
the text has been establis	hed by this Authority to read as follows:				
5. With regard to the abstract, X the text is approved as su the text has been establish within one month from the	bmitted by the applicant. hed, according to Rule 38.2(b), by this Authors date of mailing of this international search rep	y as it appears in Ecx III. The applicant may, on, submit comments to this Authority.			
6. The figure of the drawings to be publi		3			
X as suggested by the applic	cant.	None of the figures.			
		COACCO TO			
because the applicant faile	ed to suggest a figure.				

Form PCT/ISA/210 (first sheet) (July 1998)

international application No. PCT/IT 03/00568

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unscarchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.
4. $\sqrt{\chi}$ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first membored in the claims; it is covered by claims Nos.: $1-93,\ 113$
Remark on Protest The additional search less were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-93,113

A Method of constructing a pile foundation and a metal pile, whereby the transverse dimensions of the head of the pile are greater than the hole through which it is inserted

2. claims: 94-110,114

A Method of constructing a pile foundation and a metal pile, whereby the head of the pile is pointed

3. claims: 111.112

A Method of constructing a pile foundation, whereby use is made of an auxiliary pile

4. claim: 115

A metal pile comprising a rod with variable thickness and/or shape

5. claims: 116-118

A metal pile comprising a rod and a jacket of cement around the rod

International Application No PCT/IT 03/00568 a. classification of subject matter IPC 7 E02D27/48 E02D5/28 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 E02D Documentation searched other than minimum documentation to the extent that such documents are included in the tidds searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Oitation of document, with indication, where appropriate, of the relevant passages. Relevant to claim No. US 5 234 287 A (RIPPE JR DONDEVILLE M) 10 August 1993 (1993-08-10) X 113 abstract; figure l Å 3 US 3 786 641 A (TURZILLO L) 22 January 1974 (1974-01-22) abstract; figures 4,5,7,8 Α 1,113 Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: "T" later document published ofter the international filing date or priority date and not in confect with the application but "A" document defining the general state of the last which is not cited to Understand the principle or theory, underlying the considered to be of particular relevance earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered in Siina data "U" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention oltation or other special reason (as lapsoilled) Cannot be considered to involve an inventive step when the document is combined with one or more other association. "O" document reterring to an orist disclosure, use, exhibition or ments, such combination being obvious to a person skilled

- *P* document published prior to the international filing date but later than the priority date claimed
- in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

Date of making of the international search recort

2 0. 08. 2004

Name and mailing address of the ISA

19 May 2004

European Palent Office, P.S. 5618 Patentiaan 2 Nt. - 2280 HV Rijawija Tel. (+31-70) 340-2040, Tv. 31 651 epo sl., Fax: (+61-70) 340-3018

Authorized officer

De Neef, K

Information on patent family members

International Application No

PCT/IT 03/00568

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5234287 A	10-08-1993	NONE	
US 3786641 A	22-01-1974	NONE	